VKS-8262 Klystron

These klystrons provide up to 7.5 MW peak at 2.856 or 2.9985 GHz at various rf pulse lengths and duty. Versions are available with up to 36 kW of average output power at 2.856 GHz and 72 kW at 2.9985 GHz.

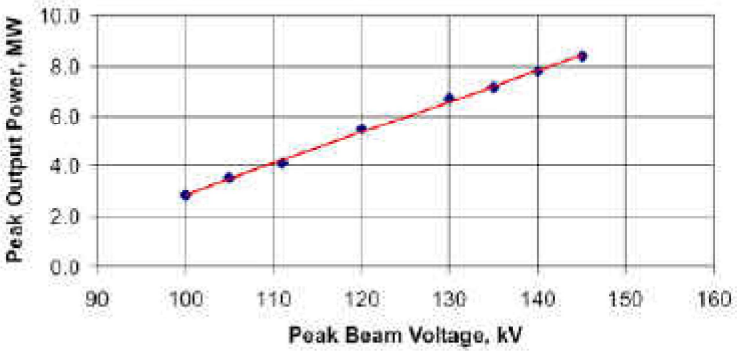
FEATURES

- Diode Electron Gun
- Water Cooled
- Electromagnet Focusing
- WR-284 Waveguide Output
- Thousands in Service
- Long Life
- Proven Reliability

VKS-8262 KLYSTRONS AT 2.856 GHz							
Product Type	Peak Output Power (MW)	Peak Drive Power	Bandwidth (-3 dB) (MHz)	Peak Beam Voltage* (kV)	Peak Beam Current* (A)	RF Pulse Length (µsec)	Duty
VKS-8262S	5.5	200	5	127	92	5.8	0.00104
VKS-8262J	4.5	200	5	125	92	10	0.00314
VKS-8262M	3	80	5	110	72	10	0.004
VKS-8262F	5	200	4	125	91	16.3	0.0072
VKS-8262P1	5	200	4	125	92	16.3	0.009

VKS-8262 KLYSTRONS AT 2.9985 GHz							
Product Type	Peak Output Power (MW)	Peak Drive Power	Bandwidth (-3 dB) (MHz)	Peak Beam Voltage* (kV)	Peak Beam Current* (A)	RF Pulse Length (µsec)	Duty
VKS-8262G	7.5	120	5	160	110	4.5	0.001
VKS-8262E	6	200	5	135	109	5.0	0.001
VKS-8262D	5.5	200	5	130	105	5.8	0.001
VKS-8262HS	3	80	5	110	72	10	0.004
VKS-8262K	5	200	4	125	91	16.3	0.0072
VKS-8262N	5	200	4	125	92	16.3	0.0144

TYPICAL PEAK OUTPUT POWER VERSUS BEAM VOLTAGE



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